



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p><b>(21) International Application Number:</b> PCT/US97/15243</p> <p><b>(22) International Filing Date:</b> 29 August 1997 (29.08.97)</p> <p><b>(30) Priority Data:</b> 08/706,206                      30 August 1996 (30.08.96)                      US</p> <p><b>(71) Applicant:</b> INTERTRUST TECHNOLOGIES CORP. {US/US}; 460 Oakmead Parkway, Sunnyvale, CA 94086 (US).</p> <p><b>(72) Inventors:</b> GINTER, Karl, L.; 10404 43rd Avenue, Beltsville, MD 20705 (US). SHEAR, Victor, H.; 5203 Battery Lane, Bethesda, MD 20814 (US). SIBERT, W., Olin; 30 Ingleside Road, Lexington, MA 02173-2522 (US). SPAHN, Francis, J.; 2410 Edwards Avenue, El Cerrito, CA 94530 (US). VAN WIE, David, M.; 1250 Lakeside Drive, Sunnyvale, CA 94086 (US).</p> <p><b>(74) Agent:</b> FARIS, Robert, W.; Nixon &amp; Vanderhye P.C., 8th floor, 1100 North Glebe Road, Arlington, VA 22201-4714 (US).</p>		<p><b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>
<p><b>(54) Title:</b> SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION</p>		
<p><b>(57) Abstract</b></p> <p>The present invention provides systems and methods for electronic commerce including secure transaction management and electronic rights protection. Electronic appliances such as computers employed in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Secure subsystems used with such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Secure distributed and other operating system environments and architectures, employing, for example, secure semiconductor processing arrangements that may establish secure, protected environments at each node. These techniques may be used to support an end-to-end electronic information distribution capability that may be used, for example, utilizing the "electronic highway".</p> <div data-bbox="933 1123 1453 1900"> <pre> graph TD     108[108 ELECTRONIC CONTENT HIGHWAY]     102[102 VDE CONTENT CREATOR]     104[104 VDE RIGHTS DISTRIBUTOR]     112[112 VDE CONTENT USER]     114[114 FINANCIAL CLEARINGHOUSE AND VDE ADMINISTRATOR]          102 -- "122 CONTENT" --&gt; 104     104 -- "106 ALIAS &amp; CONTROLS" --&gt; 102     104 -- "108 REPORTS AND PAYMENTS" --&gt; 112     112 -- "110 ALIAS &amp; CONTROLS" --&gt; 104     112 -- "118 BILLS" --&gt; 114     114 -- "120 PAYMENTS" --&gt; 112     114 -- "116 BILLS" --&gt; 102   </pre> </div>		